What is Claimed is:

SUMA14 1. A method for minimizing noise in an integrated circuit comprising:

choosing a net to be analyzed;

determining that the total path length of conductive paths coupled to a driver within said net exceed a maximum acceptable length for that given driver according to the minimum acceptable noise levels for that given net; and

inserting at least one buffer within said net at a position which is within the maximum acceptable length for conductive paths coupled to said driver.

2. A machine readable medium having machine instructions stored thereon, the machine readable instructions including a method for minimizing noise in an integrated circuit, the method comprising:

choosing a net to be analyzed;

determining that the total path length of conductive paths coupled to a driver within said net exceed a maximum acceptable length for that given driver according to the minimum acceptable noise levels for that given net; and

inserting at least one buffer within said net at a position which is within the maximum acceptable length for conductive paths coupled to said driver.

Rl.126 3. ~~2.~~ A method for minimizing noise in an integrated circuit comprising:

choosing a net to be analyzed;

determining that the total path length of conductive paths coupled to a first driver within said net exceed a maximum acceptable length for said first driver according to the minimum acceptable noise levels for said net;

determining that a second driver exists which provides a stronger signal output then said first driver and which also is available to replace said first driver;

replacing said first driver with said second driver;

determining, once said first driver is replaced, that the total path length of conductive paths coupled to said second driver within said net exceed a maximum acceptable length for said second driver according to the minimum acceptable noise levels for said net;

inserting at least one buffer within said net at a position which is within the maximum acceptable length for conductive paths coupled to said driver.

4. A machine readable medium having machine instructions stored thereon, the machine readable instructions including a method for minimizing noise in an integrated circuit, the method comprising:

choosing a net to be analyzed;

determining that the total path length of conductive paths coupled to a first driver within said net exceed a maximum acceptable length for said first driver according to the minimum acceptable noise levels for said net;

determining that a second driver exists which provides a stronger signal output then said first driver and which also is available to replace said first driver;

replacing said first driver with said second driver;

determining, once said first driver is replaced, that the total path length of conductive paths coupled to said second driver within said net exceed a maximum acceptable length for said second driver according to the minimum acceptable noise levels for said net;

inserting at least one buffer within said net at a position which is within the maximum acceptable length for conductive paths coupled to said driver.

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